RAW SEQUENCE LISTING PATENT APPLICATION US/09/060,188

DATE: 08/08/98 TIME: 15:50:44

INPUT SET: S27962.raw

This Raw Listing contains the General Information Section and up to the first 5 pages.

```
1
                                       SEQUENCE LISTING
                                                        ENTERED
 2
            General Information:
 3
     (1)
 4
          (i) APPLICANT: Behan, Dominic P.
 5
 6
                         Chalmers, Derek T.
 7
 8
         (ii) TITLE OF INVENTION: A Method of Identifying Modulators of
 9
                 Cell Surface Membrane Receptors Useful in the Treatment of
10
                 Disease
11
        (iii) NUMBER OF SEQUENCES: 26
12
13
14
         (iv) CORRESPONDENCE ADDRESS:
15
               (A) ADDRESSEE: Arena Pharmaceuticals, Inc.
16
               (B) STREET: 6166 Nancy Ridge Drive
17
               (C) CITY: San Diego
18
               (D) STATE: CA
19
               (E) COUNTRY: USA
20
               (F) ZIP: 92121
21
22
          (V) COMPUTER READABLE FORM:
23
               (A) MEDIUM TYPE: Floppy disk
24
               (B) COMPUTER: IBM PC compatible
               (C) OPERATING SYSTEM: PC-DOS/MS-DOS
25
               (D) SOFTWARE: PatentIn Release #1.0, Version #1.30
26
27
28
         (vi) CURRENT APPLICATION DATA:
29
               (A) APPLICATION NUMBER: US
30
               (B) FILING DATE: 14-APR-1998
31
               (C) CLASSIFICATION:
32
33
       (viii) ATTORNEY/AGENT INFORMATION:
34
               (A) NAME: Burgoon, Richard P.
35
               (B) REGISTRATION NUMBER: 34,787
36
37
         (ix) TELECOMMUNICATION INFORMATION:
38
               (A) TELEPHONE: 619-453-7200
39
               (B) TELEFAX: 619-453-7210
40
41
42
     (2) INFORMATION FOR SEQ ID NO:1:
43
          (i) SEQUENCE CHARACTERISTICS:
44
45
               (A) LENGTH: 25 amino acids
46
               (B) TYPE: amino acid
```

RAW SEQUENCE LISTING PATENT APPLICATION US/09/060, 188

DATE: 08/08/98 TIME: 15:50:46

```
(C) STRANDEDNESS:
47
               (D) TOPOLOGY: Not Relevant
48
49
         (ii) MOLECULE TYPE: peptide
50
51
52
53
54
         (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1:
55
56
57
          Val Tyr Ala Gly Ile Leu Ser Tyr Arg Val Gly Phe Phe Leu Phe Ile
58
                                                10
59
          Leu Val Val Ala Ala Val Thr Leu Cys
60
61
                      20
                                            25
62
     (2) INFORMATION FOR SEQ ID NO:2:
63
64
65
          (i) SEQUENCE CHARACTERISTICS:
66
               (A) LENGTH: 7 amino acids
67
               (B) TYPE: amino acid
               (C) STRANDEDNESS:
68
69
               (D) TOPOLOGY: Not Relevant
70
         (ii) MOLECULE TYPE: peptide
71
72
73
74
75
76
         (xi) SEQUENCE DESCRIPTION: SEQ ID NO:2:
77
78
          Thr Gln Leu Pro Tyr Asp His
79
80
    (2) INFORMATION FOR SEQ ID NO:3:
81
82
83
          (i) SEQUENCE CHARACTERISTICS:
               (A) LENGTH: 9 amino acids
84
85
               (B) TYPE: amino acid
               (C) STRANDEDNESS:
86
87
               (D) TOPOLOGY: Not Relevant
88
89
         (ii) MOLECULE TYPE: peptide
90
91
92
93
         (xi) SEQUENCE DESCRIPTION: SEQ ID NO:3:
94
95
96
         Phe Cys Ser Arg Glu Lys Lys Ala Ala
97
98
99
    (2) INFORMATION FOR SEQ ID NO:4:
```

RAW SEQUENCE LISTING PATENT APPLICATION US/09/060,188

DATE: 08/08/98 TIME: 15:50:47

```
100
           (i) SEQUENCE CHARACTERISTICS:
101
102
                (A) LENGTH: 54 amino acids
103
                (B) TYPE: amino acid
                (C) STRANDEDNESS:
104
105
                (D) TOPOLOGY: Not Relevant
106
107
          (ii) MOLECULE TYPE: peptide
108
109
110
111
112
          (xi) SEQUENCE DESCRIPTION: SEQ ID NO:4:
113
           Arg Val Phe Gln Glu Ala Lys Arg Gln Leu Gln Lys Ile Asp Lys Ser
114
115
116
117
           Glu Gly Arg Phe His Val Gln Asn Leu Ser Gln Val Glu Gln Asp Gly
                       20
118
119
120
           Arg Thr Gly His Gly Leu Arg Arg Ser Ser Lys Phe Cys Ser Arg Glu
121
                                        40
122
123
           Lys Lys Ala Ala Lys Thr
124
               50
125
      (2) INFORMATION FOR SEQ ID NO:5:
126
127
           (i) SEQUENCE CHARACTERISTICS:
128
129
                (A) LENGTH: 10 amino acids
130
                (B) TYPE: amino acid
131
                (C) STRANDEDNESS:
                (D) TOPOLOGY: Not Relevant
132
133
          (ii) MOLECULE TYPE: peptide
134
135
136
          (ix) FEATURE:
137
138
                (A) NAME/KEY: Peptide
139
                (B) LOCATION: one-of(7)
140
                (D) OTHER INFORMATION: /product= "OTHER"
141
        /label= Xaa
        /note= "Xaa is an amino acid other than Ala. Most preferably,
142
143
        Xaa is Glu."
144
145
146
          (xi) SEQUENCE DESCRIPTION: SEQ ID NO:5:
147
148
           Ser Arg Glu Lys Lys Ala Xaa Lys Thr Leu
149
                           5
150
151
      (2) INFORMATION FOR SEQ ID NO:6:
152
```

RAW SEQUENCE LISTING PATENT APPLICATION US/09/060,188

DATE: 08/08/98 TIME: 15:50:49

153	(1)	SEQUENCE CHARACTERISTICS:	
154	(-)	(A) LENGTH: 72 amino acids	
155		(B) TYPE: amino acid	
156		(C) STRANDEDNESS:	
157		(D) TOPOLOGY: Not Relevant	
		(D) TOPOLOGI: NOT RELEVANT	
158	,,,,	WOLDOWS MUDE, workide	
159	(11)	MOLECULE TYPE: peptide	
160		·	
161			
162	(ix)	FEATURE:	
163		(A) NAME/KEY: Peptide	
164		(B) LOCATION: one-of(69)	
165		(D) OTHER INFORMATION: /product= "OTHER"	
166	/label	= Xaa	
167	/note=	"Xaa is an amino acid other than Ala. Most preferably,	
168	Xaa is		
169			
170			
171	(xi)	SEQUENCE DESCRIPTION: SEQ ID NO:6:	
172	(/	present product train pre in motor	
173	λνα	Val Tyr Ile Val Ala Lys Arg Thr Thr Lys Asn Leu Glu Ala Gly	
174	1	5 10 15	
175	•	3 10 13	
	**-1	Vet too Glo Met Gen ben Gen too Glo too Mbn too ben Tle Win	
176	val	Met Lys Glu Met Ser Asn Ser Lys Glu Leu Thr Leu Arg Ile His	
177		20 25 30	
178			
179	Ser	Lys Asn Phe His Glu Asp Thr Leu Ser Ser Thr Lys Ala Lys Gly	
180		35 40 45	
181			
182	His	Asn Pro Arg Ser Ser Ile Ala Val Lys Leu Phe Lys Phe Ser Arg	
183		50 55 60	
184			
185	Glu	Lys Lys Ala Xaa Lys Thr Leu	
186	65	70	
187			
188	(2) INFO	RMATION FOR SEQ ID NO:7:	
189	\- /		
190	(i)	SEQUENCE CHARACTERISTICS:	
191	(-)	(A) LENGTH: 22 amino acids	
192		(B) TYPE: amino acid	
193			
		(C) STRANDEDNESS:	
194		(D) TOPOLOGY: Not Relevant	
195		MATERIA TIPE	
196	(11)	MOLECULE TYPE: peptide	
197			
198			
199		•	
200			
201	(xi)	SEQUENCE DESCRIPTION: SEQ ID NO:7:	
202			
203	Cys	Leu Asp Gly Leu Thr Thr Cys Gly Val Val Tyr Pro Leu Ser Lys	
204	1	5 10 15	
205	_		

RAW SEQUENCE LISTING PATENT APPLICATION US/09/060,188

DATE: 08/08/98 TIME: 15:50:50

			INPUT SET: S27962.
206		Asn His Leu Val Val Leu	
207		20	
208			
209	(2)	INFORMATION FOR SEQ ID NO:8:	
210			
211		(i) SEQUENCE CHARACTERISTICS:	
212		(A) LENGTH: 29 amino acids	
213		(B) TYPE: amino acid	
214		(C) STRANDEDNESS:	
215		(D) TOPOLOGY: Not Relevant	
216		(b) Torobodi. Not Relevant	
217		(ii) MOLECULE TYPE: peptide	
		(II) MOLECOLE IIPE: peptide	
218			
219			
220			
221			
222		(xi) SEQUENCE DESCRIPTION: SEQ ID NO:8:	
223			
224		Cys Arg Ile Val Cys Arg His Ala Gln Gln Ile Ala	
225		1 5 10	15
226			
227		Leu Leu Pro Ala Ser His Tyr Val Ala Thr Arg Lys	Gly
228		20 25	
229			
230	(2)	INFORMATION FOR SEQ ID NO:9:	
231			
232		(i) SEQUENCE CHARACTERISTICS:	
233		(A) LENGTH: 21 amino acids	
234		(B) TYPE: amino acid	
235		(C) STRANDEDNESS:	
236		(D) TOPOLOGY: Not Relevant	
237		(5, 5515255 1105 1105 1105	
238		(ii) MOLECULE TYPE: peptide	
239		(11) Holdes III Popular	
240			
241			
242			
243		(xi) SEQUENCE DESCRIPTION: SEQ ID NO:9:	
244		(XI) DECORNCE DESCRIPTION: DEC 15 NO.7.	
245		Tyr Ile Thr Val Arg Asn Pro Gln Tyr Asn Pro Gly	Acn Ive Cly Thr
246		1 5 10	15
247		**1. *1. * *	
248		Lys Ile Ile Lys Arg	
249		20	
250			
251	(2)	INFORMATION FOR SEQ ID NO:10:	
252			
253		(i) SEQUENCE CHARACTERISTICS:	
254		(A) LENGTH: 21 amino acids	
255		(B) TYPE: amino acid	
256		(C) STRANDEDNESS:	
257		(D) TOPOLOGY: Not Relevant	
258			

SEQUENCE VERIFICATION REPORT PATENT APPLICATION *US/09/060,188*

DATE: 08/08/98 TIME: 15:50:54

INPUT SET: S27962.raw

Line

Error

Original Text

29

Wrong application Serial Number

(A) APPLICATION NUMBER: US